Migrant Student Information Exchange (MSIX)

MSIX Lab: Data Quality

2011 OME Conference

November 14-16, 2011
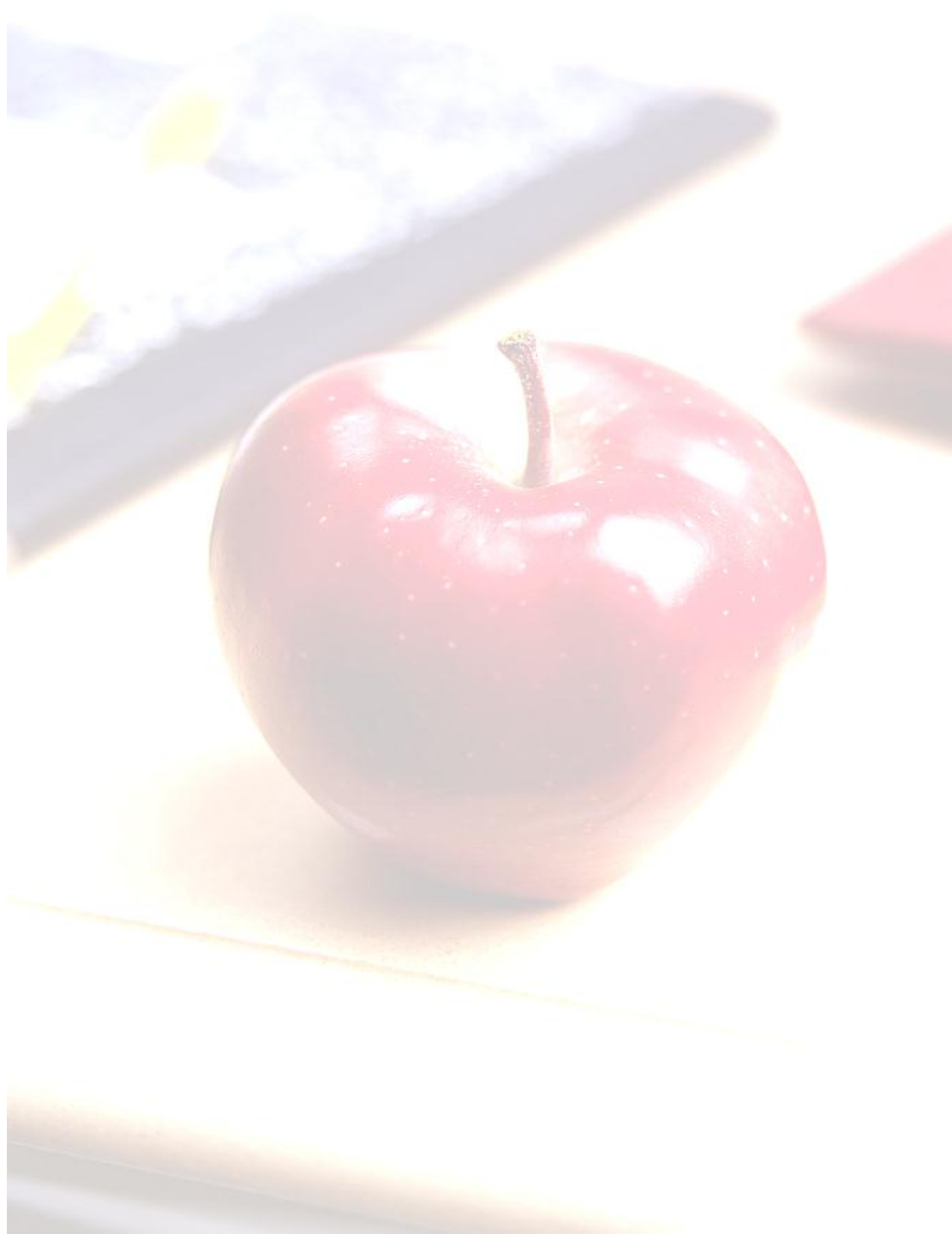
Nashville, Tennessee

Session Overview

- Data Quality in MSIX
- Using Reports to Improve Data Quality
  - Data Quality Reports (Data Administrators)
  - Student Info Reports (All State Users)
- Demonstration
- Exercise
- Data Quality Resources

Target Audience:
- Data Administrators
- Primary & Secondary Users

Overview

Overview: Data Quality

- The data in MSIX cannot be changed within the application. Student information must be changed in State MEP Systems and then re-sent to MSIX.

- State users can identify the incorrect, incomplete, and invalid information their state has submitted to MSIX through the MSIX Reports, then correct this data in their State MEP Systems.

- Importance of Data Quality in MSIX:
  - Comprehensive and accurate records for students
  - Correctly match students
  - For proper enrollment, placement and credit accrual of migrant students

Using Data Quality Reports

Data Completeness

- Data Administrators can view incomplete data submitted by their state by MDE type.

- In this report, users can drill down to the student level to view the records and instances where the state is submitting incomplete data. Users can add this data in their State MEP Systems and re-transmit the record(s) to MSIX.

Data Validity

- Data Administrators can view invalid data submitted by their state by MDE type. These elements have defined criteria laid out in the MDE Specifications document (available in the Trainers' Corner).

- In this report, users can drill down to the student level to view the records and instances where the state is submitting invalid data. Users can correct this data in their State MEP Systems and re-transmit the record(s) to MSIX.

Using Data Quality Reports

Data Load Files

- This report provides detailed information on the student files and update files that the state has uploaded to MSIX

- It provides the file name, student counts, date of upload, and error details (if applicable) for data administrators to view the frequency his/her state is submitting data to MSIX

Potential Duplicates

- Data Administrators can view potential duplicates of students in their state based on MSIX or their State MEP Systems.

- Based on the information in this report, users can…
  - Merge students in MSIX (to correct MSIX duplicates)
  - Correct student records in their State MEP Systems (for students who have multiple State Student IDs from the same state)

Using Student Info Reports

The Student Info Reports provide an alternative means to identify incorrect or incomplete student data by drilling down to the Student Level Data.

Student Demographic Report

- Users can determine invalid data through Age and Gender report views
- Users can determine incomplete data through the "No Data Submitted" count, if applicable

Enrollment by MDE Type Report

- Users can determine incomplete data through the "No Data Submitted" count, if applicable

Enrollments in Multiple States Report

- Users can filter by enrollment and withdrawal dates to verify the records are closed out for appropriate students

Demonstration
Data Quality & Student Info Reports

Exercise
Improving Data Quality in MSIX

Username: Reports– #

Password: Msix2011!

Data Quality Resources

Technical Reference Materials:

- Login to MSIX > Help > Technical Reference Materials Link
  - MDE List
  - Interface Requirements Specifications
  - Interface File Formats
  - Other Supporting Technical Reference Materials

Reports Manual

- https://msix.ed.gov/msix/training/msix_reports_manual.doc

Online Help

- https://msix.ed.gov/msix/help.html

Help Desk

- Phone: 1-866-878-9525
- E-mail: MSIXSupport@deloitte.com
- Contact Us Page: https://msix.ed.gov/msix/contactUs.html

Questions?